

GL GONIOSPECTROMETER
Lighting Research & Measurement Center

Report Wizard Sample Description Lines

Client name: *LED line®*
Model name: *UFO T 200W 30000LM 4000K 60° DIMM*
Item No: *247316*
Serial No.: *12503*
Made by: *Radosław Kośnik*

Eulumdat Fields

Company: *LEDline®*
Report number: *B783*
LuminaireName: *UFO T 200W 30000LM 4000K 60° DIMM*
LuminaireNumber: *247316*
FileName: *B783_247316_12503_G_20190826_R_P*
Date: *2019-08-26*

Dimensions of luminaire

Length: *320 mm*
Width: *0 mm*
Height: *250 mm*

Dimensions of luminous area

Length: *195 mm*
Width: *0 mm*
C0-plane *5 mm*
C90-plane *5 mm*
C180-plane *5 mm*
C270-plane *5 mm*

Lamps:

Number of lamps: 1
 Type of lamps: 0
 Total luminous flux: 29837,80 lm
 Color temperatur: 3974.98 K
 Color rendering index: 74,18
 Wattage including ballast: 199,26 W

Utilization factors:

k = 0.60 0,491
 k = 0.80 0,567
 k = 1.00 0,636
 k = 1.20 0,697
 k = 1.50 0,742
 k = 2.00 0,813
 k = 2.50 0,841
 k = 3.00 0,865
 k = 4.00 0,898
 k = 5.00 0,918

Electrical parameters

U = 229,957 V
I = 0,892 A
P = 199,259 W
 Power factor = 0,971

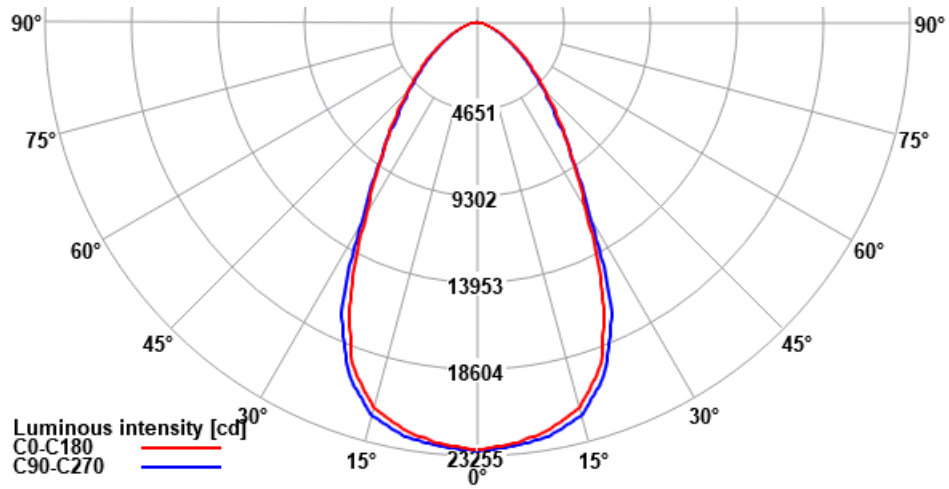
 Power apparent = 0,000 VA
 Power Reactive = 0,000 var
 Frequency Voltage = 0,000 Hz
 THD = 0,000 %

Temperature = 26.2 C

Goniometric measurement results

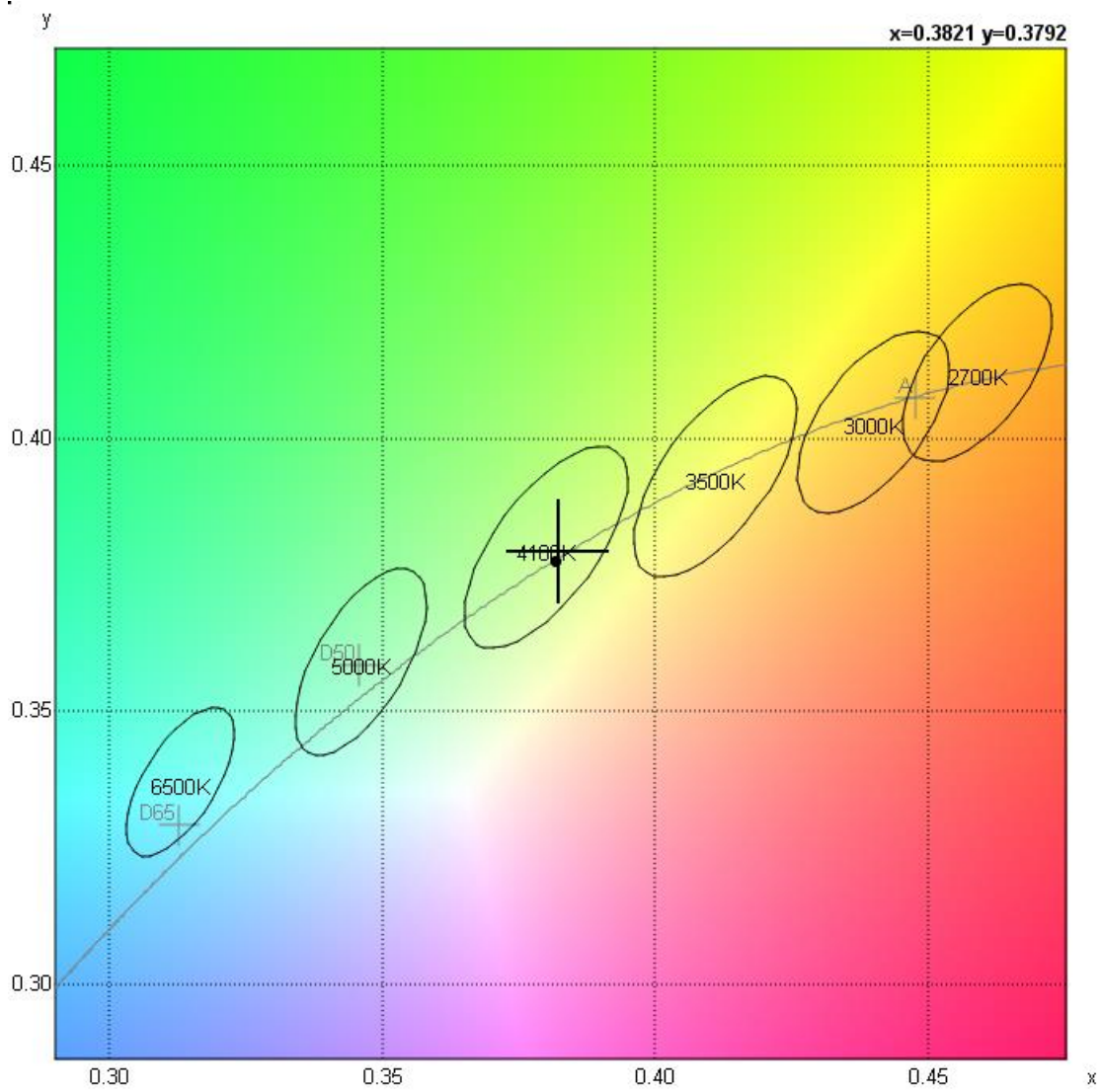
Total flux (utilized luminaire flux)	29837,80 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	-0,00 %
Maximum luminous intensity	23028,87 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	149,74 lm/W

Light intensity distribution diagram

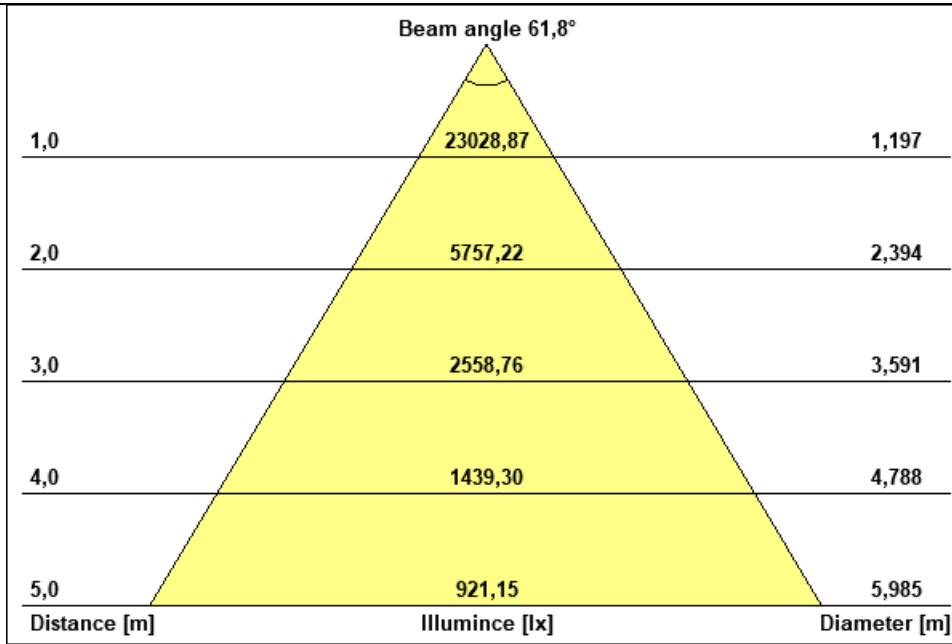


CIE 1931 diagram

x 0,3821
 y 0,3792
 Angular Colour Uniformity 0,0000
 Binning 4100K



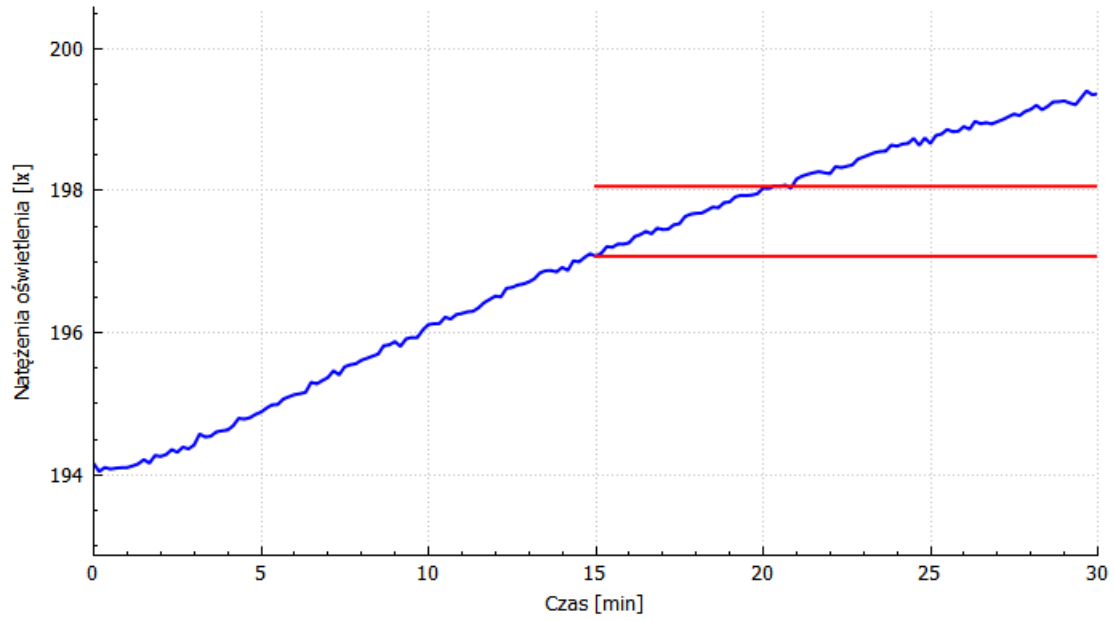
Beam cone



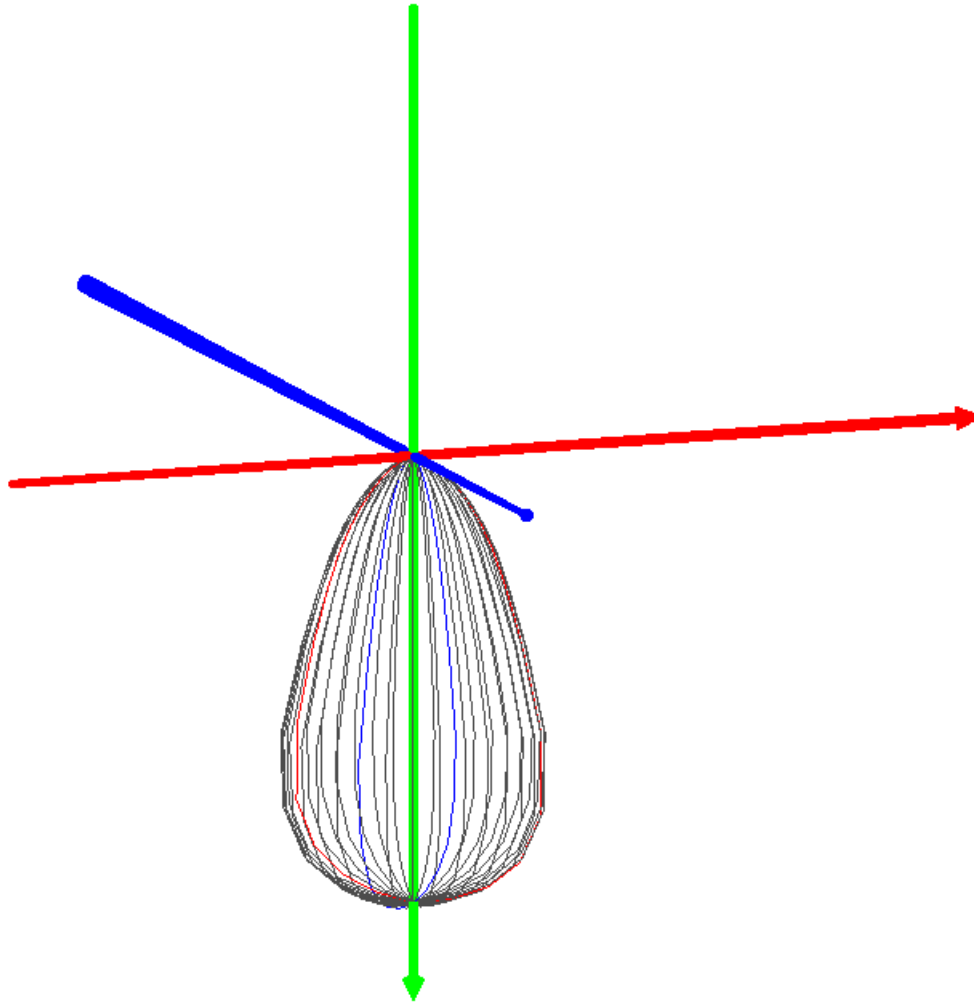
Distance [m]	Max illuminance [lx]	Diameter [m]
1	23028,8737	1,197
2	5757,2184	2,394
3	2558,7637	3,591
4	1439,3046	4,788
5	921,1549	5,985

C plane	Beam angle	Gamma max	Start [°]	Stop [°]
Average	61,8°	5,0°	-30,9°	30,9°
0-180°	61,4°	5,0°	-30,7°	30,7°
90-270°	62,7°	5,0°	-31,3°	31,3°

Stabilization



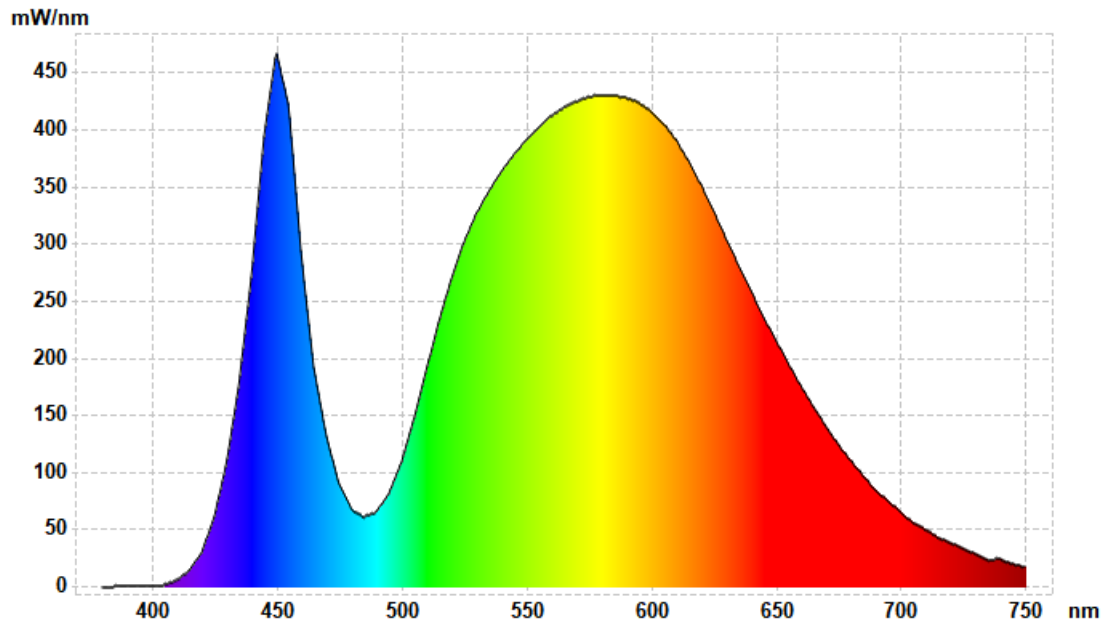
3D Chart



Legend

- C0-C180
- C90-C270
- G0-G180

Spectral distribution



Results					
CIE 1931 2° observer		CIE 1964 10° observer		Other	
x	0,3821	x	0,3893	CCT	3975
y	0,3792	y	0,3711	Chromaticity Error	0,006
Flux	29837,80 lm	u'	0,2333	Color Peak	450,92
		v'	0,5004	Color Peak Value	471,45
		L	100,00	Color Dominant	578,8
u'	0,2252	a	17,17	Luminous Intensity	0,00
v'	0,5029	b	31,14	Purity	
L	100,00	X	27698,35	Radiometric	74,2039
a	9,81	Y	26400,76	PAR	-
b	33,38	Z	17049,88	PPFD	-
Rendering Indices				Metamerism Indices	
Ra	74,2	Ra	74,2	Mivis	2,0
R1	72,2	R8	59,1	Miuv	4,7
R2	79,9	R9	-11,5	Binning	
R3	84,3	R10	50,5	Binning	4100K
R4	73,2	R11	67,6	Brightness	
R5	70,8	R12	40,7		
R6	70,2	R13	73,2		
R7	83,6	R14	90,7		